

AUTHOR INDEX

- Azoulai, A., *see* Pasternak, D. et al. (p. 137)
- Ben-Asher, J. (Beer Sheva, Israel) and Warrick, A.W. (Tucson, AZ, U.S.A.)
 Effect of variations in soil properties and precipitation on microcatchment water balance 177
- Ben-Asher, J., *see also* Boers, Th.M. et al.
- Boers, Th.M. (Wageningen, The Netherlands), Zondervan, K. and Ben-Asher, J. (Sede Boqer, Israel)
 Micro-Catchment-Water-Harvesting (MCWH) for arid zone development 21
- Borovic, I., *see* Pasternak, D. et al. (p. 149)
- Bosch, D.J. (Blacksburg, VA, U.S.A.), Eidman, V.R. (St. Paul, MN, U.S.A.) and Oosthuizen, L.K. (Bloemfontein, South Africa)
 A review of methods for evaluating the economic efficiency of irrigation 231
- Bouma, J. (Wageningen, The Netherlands)
 Book review of *Irrigation with Reclaimed Municipal Wastewater — A Guidance Manual*, by G.S. Pettygrove and T. Asano (Editors) 255
- Boumans, J.H. and Smedema, L.K. (Arnhem, The Netherlands)
 Derivation of cost-minimizing depth for lateral pipe drains 41
- Bresler, E. (Bet Dagan, Israel) and Green, R.E. (Honolulu, HI, U.S.A.)
 Transport of a degradable substance and its metabolites under drip irrigation 195
- Clothier, B. (Palmerston North, New Zealand)
 Book review of *Proceedings of the ISSS Symposium on Water and Solute Movement in Heavy Clay Soils*, by J. Bouma and P.A.C. Raats (Editors) 247
- Book review of *Soil Physics with BASIC — Transport Models for Soil-Plant Systems*, by G.S. Campbell 252
- Danon, A., *see* Pasternak, D. et al. (p. 137)
- De Malach, Y., *see* Pasternak, D. et al. (pp. 137, 149)
- Dieleman, P.J. (Rome, Italy)
 Book review of *Irrigation and Social Organization in West Malaysia* 167
- Farshi, A.A. (Tehran, Iran), Feyen, J., Belmans, C. and De Wijngaert, K. (Leuven, Belgium)
 Modelling of yield of winter wheat as a function of soil water availability 323
- Fleming, P.M. (Canberra, A.C.T., Australia)
 Book review of *A Systematic Approach to Improve the Planning, Design and Operation of Surface Water Management Systems: A Case Study*, by P.J.T. van Bakel 251
- Book review of *Elementary Soil and Water Engineering*, by G.O. Schwab and R.K. Frevert 250
- Freebairn, D.M., Wockner, G.H. and Silburn, D.M. (Toowoomba, Qld., Australia)
 Effects of catchment management on runoff, water quality and yield potential from vertisols 1
- Goldhamer, D.A., *see* Hanson, B.R. et al.
- Green, R.E., *see* Bresler, E. and Green, R.E.
- Grimes, D.W., Yamada, H. and Hughes, S.W. (Parlier, CA, U.S.A.)
 Climate-normalized cotton leaf water potentials for irrigation scheduling 293
- Hanson, B.R. (Davis, CA, U.S.A.), Lancaster, D.L. (Alturas, CA, U.S.A.) and Goldhamer, D.A. (Parlier, CA, U.S.A.)
 Evaluating continuous-move sprinkler machines using time-series statistics 87

- Khosla, B.K., *see* Minhas, P.S. and Khosla, B.K.
- Kushwaha, H.S., *see* Tripathi, R.P. et al.
- Lancaster, D.L., *see* Hanson, B.R. et al.
- Levi, S., *see* Pasternak, D. et al. (p. 137)
- Lugg, D.G., *see* Tubaileh, A.S. et al.
- Maheshwari, B.L. and Turner, A.K. (Parkville, Vic., Australia)
Some low-cost methods for seepage control in storage tanks in alfisols and vertisols 53
- Mauney, J.R. (Phoenix, AZ, U.S.A.)
Book review of *Limitations to Efficient Water Use in Crop Production*, by H.M. Taylor, W.R. Jordan and T.R. Sinclair (Editors) 159
- Minhas, P.S. and Khosla, B.K. (Haryana, India)
Solute displacement in a silt loam soil as affected by the method of water application under different evaporation rates 63
- Mishra, R.K., *see* Tripathi, R.P. et al.
- Mulder, S.J., *see* Smith, R.J. et al.
- Murty, V.V.N. (Ludhiana, India)
Book review of *Agricultural Water Management*, by A.L.M. van Wijk and J. Wesseling (Editors) 161
Book review of *Soil Physics and Rice* 254
- Novák, V. (Bratislava, Czechoslovakia)
Estimation of soil-water extraction patterns by roots 271
- Panda, R.K. (Orissa, India), Sarkar, T.K. (Bihar, India) and Bhattacharya, A.K. (New Delhi, India)
Chance-constrained optimal windmill irrigation system design 279
- Pasternak, D. (Beer-Sheva, Israel), Azoulai, A. (Kiryat Arba, Israel), Danon, A. (Beer-Sheva, Israel), Levi, S., De Malach, Y. (Doar Na Halutsa, Israel) and Shalev (Balashnikoff), G.
Irrigation with brackish water under desert conditions. VI. Automated systems to produce a range of salt concentrations in irrigation water for experimental plots 137
- Pasternak, D. (Beer-Sheva, Israel), De Malach, Y. (Doar Na Halutsa, Israel) and Borovic, I. (Beer-Sheva, Israel)
Irrigation with brackish water under desert conditions. VII. Effect of time of application of brackish water on production of processing tomatoes (*Lycopersicon esculentum* Mill.) 149
- Rengasamy, P. (Tatura, Vic., Australia)
Importance of calcium in irrigation with saline-sodic water — a viewpoint 207
- Rose, D.A. (Newcastle upon Tyne, Great Britain)
Book review of *Production and Water Use of Several Food and Fodder Crops under Irrigation in the Desert Area of Southwestern Peru*, by Th. Alberda 163
- Sammis, T.W. (Las Cruces, NM, U.S.A.) and Wu, I.P. (Honolulu, HI, U.S.A.)
Fresh market tomato yields as affected by deficit irrigation using a micro-irrigation system 117
- Sammis, T.W., *see also* Tubaileh, A.S. et al.
- Shalev (Balashnikoff), G., *see* Pasternak, D. et al. (p. 137)
- Silburn, D.M., *see* Freebairn, D.M. et al.
- Singh, P.N., Joshi, B.P. and Singh, G. (Dehradun, India)
Water use and yield response of wheat to irrigation and nitrogen on an alluvial soil in North India 311
- Skogerboe, G.V. (Logan, U.T., U.S.A.)
Book review of *Long-Throated Flumes and Broad-Crested Weirs*, by M.G. Bos 166
- Smedema, L.K., *see* Boumans, J.H. and Smedema, L.K.
- Smith, R.J., Watts, P.J. and Mulder, S.J. (Toowoomba, Qld., Australia)
Analysis and design of gated irrigation pipelines 99

Stigter, C.J. (Wageningen, The Netherlands)	
Book review of <i>The Political Economy of Soil Erosion in Developing Countries</i>	168
Tripathi, R.P., Kushwaha, H.S. and Mishra, R.K. (Pantnagar, India)	
Irrigation requirements of rice under shallow water table conditions	127
Tubaileh, A.S., Sammis, T.W. and Lugg, D.G. (Las Cruces, NM, U.S.A.)	
Utilization of thermal infrared thermometry for detection of water stress in spring barley	75
Turner, A.K., <i>see</i> Maheshwari, B.L. and Turner, A.K.	
Van Schilfgaarde, J. (Fort Collins, CO, U.S.A.)	
Book review of <i>Forage and Fuel Production from Salt Affected Wasteland</i>	341
Walker, W.R. (Logan, UT, U.S.A.)	
Book review of <i>The Determinants of Canal Water Distribution in India — A Micro Analysis</i> , by K. Palanisami	165
Book Review of <i>Drip Irrigation Manual</i> , by S. Dasberg and E. Bresler	164
Warrick, A.W., <i>see</i> Ben-Asher, J. and Warrick, A.W.	
Watts, P.J., <i>see</i> Smith, R.J. et al.	
Wesseling, J. (Wageningen, The Netherlands)	
Editorial: Quantities and units in agricultural water management	259
Book review of <i>Land and Water Management Engineering</i>	162
Wockner, G.A., <i>see</i> Freebairn, D.M. et al.	
Wu, I.P., <i>see</i> Sammis, T.W. and Wu, I.P.	
Yitayew, M. (Tucson, AZ, U.S.A.)	
Interrelationships of performance parameters for irrigation borders	221
Yoo, K.H. (Auburn, AL, U.S.A.)	
Effects of crop and surface irrigation method on water intake rate of soil	305
Zondervan, K., <i>see</i> Boers, Th.M. et al.	

